

Title (en)
NOVEL CHONDROCYTE INDUCTION METHOD

Title (de)
NEUARTIGES CHONDROZYTENINDUKTIONSVERFAHREN

Title (fr)
NOUVEAU PROCÉDÉ D'INDUCTION DE CHONDROCYTES

Publication
EP 3064577 A4 20170412 (EN)

Application
EP 14857348 A 20141031

Priority
• JP 2013228822 A 20131101
• JP 2014104162 A 20140520
• JP 2014079117 W 20141031

Abstract (en)
[origin: EP3064577A1] Provided is a method for producing chondrocytes from pluripotent stem cells, the method comprising the steps of: (i) inducing pluripotent stem cells to differentiate into mesodermal cells in adherent culture, (ii) culturing the cells obtained by step (i) in adherent culture in a medium containing one or more substances selected from the group consisting of BMP2, TGF² and GDF5, and (iii) culturing the cells obtained by step (ii) in suspension culture in a medium containing one or more substances selected from the group consisting of BMP2, TGF² and GDF5. Also provided is a pharmaceutical product comprising the chondrocytes obtained by the method.

IPC 8 full level
A61K 35/32 (2015.01); **A61L 27/00** (2006.01); **A61P 19/08** (2006.01); **C12N 5/071** (2010.01); **C12N 5/077** (2010.01); **C12N 5/10** (2006.01)

CPC (source: EP KR US)
A61K 35/32 (2013.01 - KR US); **A61P 19/00** (2017.12 - EP); **A61P 19/08** (2017.12 - EP); **C12N 5/0655** (2013.01 - EP KR US); **C12N 2500/25** (2013.01 - EP US); **C12N 2500/38** (2013.01 - EP US); **C12N 2501/115** (2013.01 - EP US); **C12N 2501/15** (2013.01 - EP KR US); **C12N 2501/155** (2013.01 - EP KR US); **C12N 2501/16** (2013.01 - EP US); **C12N 2501/19** (2013.01 - EP KR US); **C12N 2501/415** (2013.01 - EP US); **C12N 2506/45** (2013.01 - EP KR US); **C12N 2513/00** (2013.01 - EP US); **C12N 2533/54** (2013.01 - US)

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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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